

BUCHINSKIY I-Ye.

✓ 5.7-192
Buchinskii, I. E. Imeniasata li klimat Ukrayny za istoricheskoe vremia? [Has the climate of the Ukraine changed during the historical period?] *Voprosy Geograficheskoy Ochagi SSSR. Izvestiya*, 85(1):21-30, Jan./Feb. 1953. bibliog. p. 30. DLC—A collection of historical remarks on the distribution of forests and steppes and the climate of Ukraine, starting with Herodotus. The author could not find any indications for a considerable change in climate during the historical period. *Subject Headings:* 1. Climate changes 2. Ukraine, U.S.S.R.—A.A.

BUCHINSKIY, I.Ye., kandidat geographicheskikh nauk; PREDTECHENSKIY, P.P.,
redaktor; TASHGORODSKAYA, M.M., redaktor; BRAYNINA, M.I., tekhnicheskiy redaktor

[Outline of the climate of European Russia during the historical period] Ocherki klimata Russkoj ravniny v istoricheskuiu epokhu.
Leningrad, Gidrometeorologicheskoe izd-vo, 1954. 87 p. (MIRA 7:9)
(Russia--Climate--History)
(Climate--History--Russia)

BUCHINSKIY, I.YE.

"Data 'on' the Climate of North Black Sea Area in Antiquity," Tr. Ukr. n. -i. Gidrometeorol. In-ta, No 1, 80-94, 1954)

From the work of B.B. Latyshev, "News of Ancient Writers on Scythia and the Caucasus" (Vestn. drevney istorii, No 1-4, 1947; No 1-4, 1948; No 1-4, 1949), the author copies and systematizes the statements of ancient Greek and Latin writers on the climate of the North Black Sea area. It is concluded that the southern boundary of forest and steppe were approximately the same as now, but steppes adjoined the Black Sea and Azov Sea in antiquity. (RZhGeol, No 1, 1955)

SO: Sum. No. 536, 10 Jun 55

BUCHINSKIY, I. YE.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEBEDEV, A.N.: SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.S.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIIDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUVINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; HUDENEVA, A.V.; RUDENKO, A.I.; ZOLOTAREV, M.A.; NEHSESYAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVYATKOVA, A.M.; ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 '54. (MIRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I. Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Buchinskij).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 :54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rastenievodstva (for Selyaninov, Rudenko).
5. Bioklimaticheskaya stantsiya Kislovodsk (for Boshno).
6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov).
7. Ministerstvo putey soobshcheniya SSSR (for Biryukov).
8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev).
9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Bygenson).
10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov).
11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov).
12. TSentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv (for Sokolov, Zolotarev).
13. Gosudarstvennyy okeanograficheskii institut (for Samoylenko).
14. TSentral'nyy institut prognozov (for Usmanov, Sapozhnikova).
15. Institut geografii Akademii nauk SSSR i TSentral'nyy institut kurortologii (for Chubukov).
16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Trotsenk).
17. Arkhicheskii nauchno-issledovatel'skiy institut (for Vangengaym).

(Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it].
Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MIRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov). 19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro). 20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova). 21. Morskoy gidrofizicheskiy Institut Akademii nauk SSSR (for Dmitriyev). 22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin). 23. Akademiya nauk Estonskoy SSR (for Liedemaa). 24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan). 25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).
- (Continued on next card)

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 4) (MLBA 8:3)

26. Gosudarstvennyy gidrologicheskiy institut (for Bochkov). 27. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Uteshev). 28. Upravlenie gidrometsluzhby Armyanskoy SSR (for Nersesyan). 29. Leningradskoye upravleniye gidrometsluzhby (for Mikhaylov, Devyatkova). 30. Tbilisskiy gosudarstvennyy universitet (for Tsomaya). 31. TSentral'naya aerologicheskaya observatoriya (for Shmeter).
(Climatology)

BUCHINSKIY, I. Ye.

"Relief and Precipitation".

Izv. Vses geogr. o-va, 86, No 2, pp 196-201, 1954.

Most investigators consider that even on small elevations the quantity of precipitation increases and explain this phenomenon variously as due to intensification of turbulence, direction and velocity of the wind, temperature and humidity of the air, curvature of the elevated ground, etc. Analysis of the distribution of precipitation, according to data of long series of observations in the Ukraine, revealed a rectilinear dependence between annual amount of precipitation and height of the locality (I. Ye. Buchinskiy, Meteor. i gidrologiya, No 1, 1950). The coefficient of correlation is plus 0.85 for probable error of ± 0.02 . For investigation of the distribution of precipitation by months use was made of the data of 38 stations in the Ukraine, all indicating enhanced precipitation on raised areas. (RZhGeol, No 7, 1955)

SO: Sum No 884, 9 Apr 1956

BUCHINSKIY, I.Ye.

Creative cooperation of climatologists of the two sister nations.
Trudy Ukr.NIGMI no.3:14-20 '55. (MLRA 9:10)

1.Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy
institut.
(Climatology) (Ukraine--Meteorology)

BUCHINSKIY, I.Ye.

Vertical temperature gradient in the Ukraine. Trudy Ukr. NIGMI no. 4:45-
51 '55. (MIRA 10:1)

(Ukraine--Atmospheric temperature)

7.11-272
Buchinskij, I. E. Změny podnebí v XIX. a XX. století. [Variations of climate in the 19th and 20th centuries.] Meteorologické Zprávy, Prague, 8(1):107-108, Aug. 1935. 3 fig., 2 tables, 2 refs. Ladislav Křiváký, translator. DWB—Translation of Ch. 4 of his book Ocherki klimata ruskokol ravniny v istoricheakule epokhu (1934). Temperature and precipitation data for Voroshilovgrad (1838-1931) appear to indicate a fluctuation of climatic values with a periodicity of 33 years. Subject Headings: 1. Climate: variations 2. Voroshilovgrad, U.S.S.R. 1. Křiváký, Ladislav (trans.)—G.7.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

DUCHINSKY, I. Ye.

SHCHERBAN', M.I.

"Climate of the Ukraine." I. S. Buchinskiy. Reviewed by M. I. Shcherban'.
Geog. v shkole 18 no. 6:70 (MLRA 9:1)
(Ukraine--Climate) (Buchinskii, Ivan Evstaf'evich)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

Review by N.N.G.
GRIBANOV, N.N.

"Studies of the Russian Plain climate in the historical epoch."
I.E.Buchinskiy. Reviewed by N.N.Gribanov. Izv.Vses.geog.ob-va
67 no.4.580-581 J1-Ag'55. (MLRA 8:10)
(Buchinskii, Ivan Evstaf'evich) (Russia--Climate)

B.10-36

✓ Buchinskii, I. F. Sto let Kievskoi meteorologicheskoi observatorii. [One hundred years of the Kiev Meteorological Observatory.] Vsesoyuznoe Gidrofizicheskoe Obschestvo, Leningrad, Izdatelstvo, 88(1):390-392, July/Aug. 1936. DLC—The Kiev meteorological observatory was founded in 1835, but meteorological observations were first begun in the Ukraine in 1770 by the physician I. LEVKHE. The history of meteorological observations in the Ukraine since 1770, the founding of the Kiev meteorological observatory, the names of its directors, its activities and various publications up to the present are summarized. Subject Heading: I. Kiev Meteorological Observatory.—I.L.D.

SS1.5C1.9(47)

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11

BUCHINSKIY, I.Ye.

The role of Russian scientists in the development of climatology
in the Ukraine. Trudy Ukr. NIOMI no.5:26-35 '56. (MLRA 10:9)
(Ukraine--Climatology)

BUCHINSKIY, I. YE

14-57-7-14435

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 26 (USSR)

AUTHOR: Buchinskiy, I. Ye.

TITLE: The Neolithic and Bronze Age Climate of the Ukraine
(O klimate neolita i bronzy na Ukraine)

PERIODICAL: Tr. Ukr. n.-i. gidrometeorol. in-ta, 1956, Nr 6,
pp 167-177

ABSTRACT: This study presents a summary of the information
derived from archaeological investigations, spore and
pollen analyses, and literary evidence. Study of the
above permit the following conclusions: 1) The climate
was harsh and continental during the initial stage of
the post-glacial period; 2) a warm and damp climate
prevailed at the end of the Paleolithic and in the
very early Neolithic periods; 3) at the end of the
Neolithic and during the Bronze age the climate was

Card 1/2

The Neolithic and Bronze Age Climate (Cont.)

14-57-7-14435

dryer than it is today; 4) at the beginning of the Iron Age the climate became cool and damp. A bibliography of 51 titles is included.

Card 2/2

D. A. T.

BUCHINSKIY, Ivan Yevstaf'yevich, kandidat geograficheskikh nauk;
SAGATOVSKIY, N.V., otdelennyy redaktor; GROSMAN, R.V., redaktor;
FLAUM, M.Ya., tekhnicheskiy redaktor

[Climate of the Russian plain in the past] O klimate proshloga
Russkoj ravniny. Izd. 2-ee. Leningrad, Gidrometeor.izd-vo, 1957.
140 p. (MIRA 10:8)
(East European Plain--Climate)

BUCHINSKIV I.V.

Secular variations of droughts in Voroshilovgrad. Meteor. i gidrol.
no.7:32-33 Jl '57. (MIRA 10:8)
(Voroshilovgrad--Droughts)

BUCHINSKIY, I.Y.

Dividing the Ukraine into districts according to its liability to
droughts. Trudy Ukr. NIGMI no.8:31-45 '57. (MIRA 11:6)
(Ukraine--Droughts)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHINSKIY, I.Ye.

BUCHINSKIY, I.Ye.

Data on droughts in the 11th -- 18th centuries. Trudy Ukr. NIGNI
no.9:155-159 '57. (MIRA 11:1)

(Droughts)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

BUCHINSKIY I.Y.

SUBJECT: USSR/Meteorology

25-5-34/35

AUTHOR: Buchinskiy, I.B., Cand. of Geographic Sciences

TITLE: Does the Climate Change? (Menyayetsya li klimat)

PERIODICAL: Nauka i Zhizn' ²⁴, May 1957, No 5, pp 62-65 (USSR)

ABSTRACT: The abrupt and exceptionally intense changes of weather in many parts of the world during the past six years have raised the question whether this means a change of the respective climates. But weather and climate are two different conceptions. Science has proved that changes of climate did occur at intervals of several thousand years, while deviations of short duration could be observed in every century. Disturbances of periodic and rhythmic character are caused by the accumulation of solar spots in the sun. The suggestion that atomic explosions might be blamed for changes in the circulation of the atmosphere does not hold good, since incomparably greater amounts of energy would be necessary to influence atmospheric processes of such extent. Climatic changes can to a certain degree be caused by deforestation, irrational plowing and hydrologically uncorrected rivers.

Card 1/2

25-5-34/35

TITLE: Does the Climate Change? (Menyayetsya li klimat)
The article contains one picture.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

3(7) PHASE I BOOK EXPLOITATION SOV/2384

Konferentsiya po agroeteorologii i agroklimatologii Ukrainskoy SSR
Materialy konferentsii. [Material of the Conference on Agricultural Meteorology and Climatology of the Ukrainian SSR] Leningrad,
Gidrometeoizdat, 1958. 267 p. Erratum slip inserted. 700 copies
printed.

Sponsoring Agencies: USSR, Glavnoye upravleniye gidrometeorologicheskoy sluzhby, Ukrainian SSR, Ministerstvo sel'skogo khozyaystva,

Ural'skiy nauchno-issledovatel'skiy gidrometeorologicheskiy in-

situt, and Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.

Rep. Ed.: D.P. Pleshchikov; Ed.: V.D. Ploosavskaya; Tech. Ed.:
M.I. Bravina.

PURPOSE: This book is intended for agriculturists, agroeteorolo-

gists, and instructors in related areas.

COVERAGE: This collection of articles deals with problems in agricultural meteorology in the Ukraine. Among the topics discussed are: sowing, planting time for winter crops, corn cultivation, potato degeneration, solute supply, and adverse weather factors. References accompany individual articles.

Material of the Conference (Cont.)

Sugar Beets | Soil Water Conditions in Beet Crop Rotation 111

Vishnevetsky, V.Y. [Odessa Agricultural Station] Moisture Reserves for Winter Wheat in the Southern Odessa Region and the Importance of the Moisture Providing Irrigation 117

Buchinsky, I.Y. [Ukrainian Scientific Research Hydromet, Institute] Hydrologic Study of Subways (Dry Sheds) in the Ukraine 128

Borova, Yu.B. [Ukrainian Scientific Research Hydromet, Institute], Rainless Periods in the Ukraine 141

Nauchnitskaya, L.S. [Odessa Hydromet, Institute] Rainless and Wet Periods in the Frichernomorskaya (Black Sea) Steppe 151

Savchenko, M.A. [Ukrainian Scientific Research Institute for Forestry and Agroforestation] Effective Zones of Shelter Belts 155

Dzhubanov, O.P. [Kharkov State University] Microclimate of Irrigated Lands 169

Shatkovs'kyy, A.Y. [Ukrainian Scientific Research Hydromet, Institute] Microclimatic Study of Ukrainian Pochvilli 176

Pol'shernyy, I.A. [Main Geophysical Observatory] Compiling Detailed Hydroclimatic Maps 182

Pushkaruk, Ya.Z. [State Hydrological Institute] Devices and Methods for Measuring Evaporation from Cultivated Fields 185

Rumyantsev, V.Y. [State Hydrological Institute] Determining Evaporation from Drained and Non-drained Seeps by the Heat-Balance Method 193

Kopachovs'kyy, N.M. Autumn and Spring Frosts in the Ukraine 202

Sokolnikova, S.A. [Professor, Ukrainian Scientific Research Hydromet, Institute] climatic Conditions of Corn Cultivation in the Ukraine 214

Andonov, A.I. [All-Union Institute of Crop Science] The Effect of Climatic Conditions on the Degeneration of Potatoes and the Appearance of Phytophthora (Parasitic Fungi) 230

A suggestion of the Scientific Methodology Council of the UkrSSR Department of Agriculture 233

AUTHOR: Buchinskiy, I.Ye. (Buchyn's'kyy, I.O.)

21-1-21/26

TITLE: On the Climatic Zoning of the Ukraine (O klimaticeskem rayoni-rovaniyu Ukrayiny)

PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1958, # 1, pp 89-93
(USSR)

ABSTRACT: The author calculated hydrothermal coefficients for the various regions of the Ukraine as quotients of the annual amounts of precipitation by the average annual temperatures. The values of these coefficients for the warm period of the year (April to October) were calculated additionally and shown graphically in Figure 1. However, the author is of the opinion that coefficients of humidification are more reliable characteristics, and has calculated these coefficients, which are defined as ratios of the annual precipitation to the annual amount of evaporation from a water surface.

The values of these coefficients, shown in Figure 2, decrease from north-west to south-east, and the changes in humidification coincide generally with the direction of the isolines of individually calculated hydrothermal coefficients. The indices of humidification are within the range from 1.3 (at Turka) to 0.37 (at Genichesk).

Card 1/2

On the Climatic Zoning of the Ukraine

21-1-21/26

The territory of the Ukraine is divided into 5 humidification zones (excluding the Crimean region): 1. The mountainous zone with excessive humidification; 2. The north-western zone with sufficient humidification; 3. The central zone with unstable humidification; 4. The southern zone with insufficient humidification, and 5. The coastal arid zone.

The article contains 2 maps, 2 Russian and 2 Ukrainian references.

ASSOCIATION: Ukrainian Scientific Research Hydrometeorological Institute
(Ukrains'kyj naukovo-doslidnyj hidrometeorologichnyj instytut)
PRESENTED: By Academician of the Ukrainian Academy of Sciences P.S. Po-
grebnyak (Pohrebnyak)
SUBMITTED: 17 January 1957
AVAILABLE: Library of Congress
Card 2/2 1. Meteorology 2. Humidity 3. Temperature

BUCHINSKIY I. Ye.

AUTHOR: Buchinskiy, I. Ye. 50-2-21/22

TITLE: Meeting of the Meteorology and Climatology Section
of the Scientific Technical Council of the Main
Administration of Hydrometeorological Service
(Zasedaniye sektsii meteorologii i klimatologii Nauchno-
tekhnicheskogo soveta GUGMS)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 2, pp. 60-60 (USSR)

ABSTRACT: On October 22nd, 1957, a large-scale meeting took place in the geophysical main observatory. Representatives of several institutes of the Sovietic AN, of the Ukrainian and of the Kazakhstan Scientific Research Institutes for Hydrometeorology and others took part in it. A lecture on the theme "The Situation and the Chances of the Research of Climatic Fluctuations" was held by professor S. A. Sapozhnikov. In this lecture it was pointed out that the importance of the investigation of the climatic fluctuations in long-term intervals increases more and more for the purposes of the hydrometeorological service. The investigation of these fluctuations is necessary for

Card 1/2

Meeting of the Meteorology and Climatology Section
of the Scientific Technical Council of the Main Administration
of Hydrometeorological Service

50-2-21/22

climatological forecasting. It was found that also the forecasting interrelations are changed in parallel with the climatic fluctuations during long periods. Furthermore it is necessary to investigate the humidity fluctuations in the arid zones of the USSR.

The investigation of the rules governing the climatic fluctuations is especially important for economic planning at long sight.

In the decisions of this meeting also the problems of methodical agreement of the elaboration of data and a vast application of an automatical elaboration of the meteorological observations were treated.

AVAILABLE: Library of Congress

Card 2/2

BUCHINSKIY, I.Ye.

Dividing the Ukraine into regions according to the degree of
humidification. Trudy UkrNIGMI no.13:31-37 '58.

(MIRA 11:12)
(Ukraine--Precipitation (Meteorology))

BUCHINSKIY, I.Ye.

Relationships of meteorological elements according to obser-
vations made on the instrument platform of the station and in
fields on droughty days. Trudy UkrNIGMI no.14:71-78 '58.
(MIRA 12±5)

(Droughts)
(Meteorology, Agricultural)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHINSKIY, I.Ye.

Climatic characteristics of dry winds in the Ukraine.
Trudy UkrNIGMI no.18:10-29 '59. (MIRA 13:7)
(Ukraine--Winds)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

BUCHINSKIY, I.Ye.; IOVENKO, N.G.; KUKH, A.M.; SAPOZHNIKOVA, S.A.

Agroclimatic features of the Ukrainian forest steppe and the
effectiveness of fallows in the rotation of crops. Trudy UkrNIGMI
no.16:3-15 '59. (MIRA 13:6)
(Ukraine--Fallowing)

BUCHINSKIY, I Ye.

Meteorological conditions in the herbage of winter wheat and corn fields during periods of dry winds. Trudy UkrNIGMI no.16:87-100 '59. (MIRA 13:6)

(Ukraine--Wheat)
(Ukraine--Corn (Maize))
(Meteorology, Agricultural)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHINSKIY, I. YE.

"On Climate Fluctuation in the Ukraine in Contemporary Epoch"

report to be submitted for the Intl. Geographical Union, 10th General Assembly
and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

BUCHINSKIY, Ivan Levstaf'yevich; SAGATOVSKIY, N.V., red.; SERGEIEV,
A.N., tekhn.red.

[Climate of the Ukraine] Klimat Ukrayiny. Leningrad, Gidro-
meteor.izd-vo, 1960. 129 p. (MIRA 13:5)
(Ukraine--Climate)

3(3)

AUTHOR:

Buchinskiy, I. Ye.

SOV/50-60-1-13/20

TITLE:

On the Present Warming Trend of Climate

PERIODICAL:

Meteorologiya i hidrologiya, 1960, Nr 1, pp 53-58 (USSR)

ABSTRACT:

A number of Soviet geographers and climatologists recently published their investigation results on temperature fluctuations. Among them are A. A. Borisov (Ref 2), O. A. Drozdov (Ref 5), T. V. Pokrovskaya, Ya. S. Rubinshteyn (Ref 9), S. P. Khromov, A. V. Shnitnikov, and others. In his earlier investigations (Refs 3, 4), the author had found an agreement in the air temperature fluctuations over the entire Ukrainian territory. A survey is given here of the mean annual air temperature course in decades for the last 150 years in Kiev. The years from 1942 to 1951 exhibit a temperature lying by about 0.4 - 0.6° above normal. During the 150 years, there were 5 periods with a temperature rise lasting 35, 48, 33, and 14 years. Also the characteristics of the centennial temperature course in various parts of the UkrSSR are specified. The centennial precipitation course throughout the territory of the UkrSSR does not exhibit the agreement recorded with air temperature fluctuations. Figure 1 shows the centennial air temperature course and the ✓

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On the Present Warming Trend of Climate

SOV/50-60-1-13/20

precipitation quantities in Kiev. The general trend of the centennial precipitation course in West, East, and South Ukraine is given. The centennial precipitation course in Transcarpathia is of a peculiar nature. In 1956, V. A. Rutkovskaya (Ref 10) made a survey of the domestic and foreign publications concerning climatic fluctuations, with a special regard to the period from 1953 to 1954. She arrives at the conclusion that climate is becoming warmer. Her investigations based on the mean annual temperatures all throughout Europe from 1949 to 1952. The same subject was dealt with in investigations by M. Ye. Lyakhov (Ref 7), A. I. Tokmakov (Ref 11), I. G. Kurdiani (Ref 6), L. Babushkin and Kh. Khusanova (Ref 1), and G. A. Remisov (Ref 8). A survey is given of publications (Refs 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25) abroad, which likewise deal with the problem of climate fluctuations. There are 25 references, 11 of which are Soviet.

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"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHINSKIY, I.Ye.

Changes in the climate of the Russian Platform during the last
ten thousand years. Astron.sbor no.3/4:121-129 '60.

(Russian Platform—Climatology) (MIRA 14:11)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHINSKIY, I.Ye.

Third Congress of the Geographical Society. Meteor. i gidrol.
no.6:52-53 Je '60. (MIRA 13:6)
(Physical geography--Congresses)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

BUCHINSKIY, I.Ye.

Conference on problems in the field of heliogeophysics. Inv. AN SSSR.
Ser. geofiz. no.8:1287-1288 Ag '60. (MIREA 13:8)
(Sun) (Geophysics—Congresses)

BUCHINSKIY, I.O. [Buchynskyi, I.O.], kand.geogr.nauk

Are the deserts advancing toward our steppes? Nauka i
zhyttia 10 no.7:34-36 J1 '60. (MIRA 13:?)
(Ukraine--Climate) (Ukraine--Dust storms)

BUCHINSKIY, I. Ye. (USSR)

"The climate's fluctuations of the arid region of Ukraine"

Presented at the UNESCO/WMO Symposium on Changes of Climate
with Special Reference to the Arid Zones

Rome, 2-7 Oct 61

BUCHINSKIY, Ivan Yevstaf'yevich [Buchyns'kyi, I.O.]; SHCHERBAN', M.I., kand.
geogr. nauk, otv. red.; STAROSTENKO, T.M., red.; MATVIICHUK, O.A.,
tekhn. red.

[Climate of the Ukraine] Klimat Ukrayny. Kyiv, 1961. 46 p. (To-
varystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi
RSR. Ser. 6, no.9) (MIRA 14:8)
(Ukraine—Climate)

BUCHINSKIY, I.Ye.

Some characteristics of climate variations in the Ukraine.
(MIRA 14:8)
Trudy UkrNIGMI no.23:21-38 '61.
(Ukraine—Climate)

BUCHINSKIY, I.Ye.

Droughts during the period from the 10th century to the 18th century. Trudy UkrNIGMI no.23:70-72 '61. (MIRA 14:8)
(Droughts)

BUCHINSKIY, I.Ye.

Methods of investigating secular fluctuations of precipitation.
Trudy UkrNIGMI no.29:3-18 '61. (MIRA 15:2)
(Ukraine—Precipitation (Meteorology))

BUCHINSKIY, I.Ye.; KOPACHEVSKAYA, M.N.; MATYUSHENKO, Ye.N.

Results of ~~agrometeorological~~ observations during dry winds.
Study UkrNIGMI no.29:38-49 '61. (MIRA 15:2)
(Ukraine—Droughts)
(Plants, Effect of aridity on)

S/035/61/000/012/021/043
A001/A101

AUTHOR: Buchinskiy, I.

TITLE: Conference on the "Sun-troposphere" problem, Leningrad, February 8 - 11, 1960

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 12, 1961, 63, abstract 12A501 ("Izv. Vses. geogr. o-va", 1961, v. 93, no. 1, 99 - 100)

TEXT: Information is given on a conference on the "Sun-troposphere" problem held in Leningrad on 8-11 February, 1960. Specialists of several branches participated in the conference. Main reports dealt with the present state of solar activity, new theoretical concepts in the solar physics, correlation of long-term fluctuations of the Caspian Sea level with long-term oscillations of solar activity. Many reports were delivered on the subject of correlation of solar activity with general circulation of atmosphere. Reports were also heard on mechanisms of solar activity effect on tropospheric processes, on correlation of solar activity with hydrological phenomena, on the effect of solar activity on

Card 1/2

Conference on the "Sun-troposphere" problem ...

S/035/61/000/012/021/043
A001/A101

the growth and development of trees, animal world and human organism. Altogether ✓
30 reports were heard.

B. Rubashev

[Abstracter's note: Complete translation]

Card 2/2

~~BUCHINSKIY, Ivan Yevstaf'yevich, kand. geogr. nauk; BOBNEVA, N.P.,~~
~~red.; NAZAROVA, A.S., tekhn. red.~~

[Does the climate change?] Meniaetsia li klimat? Moskva,
Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke,
tekhnike. XII Seriya: Geologiya i geografiya, no.23)
(MIRA 17:1)

BUCHINSKIY, Ivan Yevstafiyevich; KATRENKO, Ye.A., red.; VIDONYAK, A.P., tekhn. red.

[Climate of the Ukraine in the past, present and future]
Klimat Ukrayny v proshlom, nastoiashchem i budushchem.
Kiev, Gossel'khozizdat USSR, 1963. 307 p. (MIRA 17:2)

BUCHINSKIY, I.Ye.

Climatic studies of summer and fall atmospheric droughts in the Ukraine. Trudy UkrNIGMI no. 30, 21, 36 '63.

Fluctuations of climate in the arid zone of the Ukraine.
Ibid.:43-49 (MIRA 17:2)

L 27382-65 EWT(1)/FCC GW

ACCESSION NR AM4042764

BOOK EXPLOITATION

S/

13
B-1

Buchinskiy, Ivan YEvstafiyevich

Past, present and future climate¹³ of the Ukraine (Klimat Ukrayny v proshlom,
nastoyashchem i budushchem), Kiev, Gossekol'khoizdat USSR, 1963, 307 p. illus.,
biblio. Errata slip inserted. 5,000 copies printed.

TOPIC TAGS: climatology, Ukraine

PURPOSE AND COVERAGE: This book presents systematized data on the climate of the Ukraine. The basic indicators of the climate are cited, the climatic regions of the Ukraine are described, and some proposals are made concerning the use of climatic resources in agriculture. The book is intended for specialists in agriculture, geographers, meteorologists, regional specialists, researchers and students in higher educational institutions.

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Ch. I. Greek and Roman sources -- 7
Card 1/3

L 27382-65

ACCESSION NR AM4012764

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Ch. III. Development of climatology in the 18th century -- 15
Ch. IV. Instrument observations and climatological work in the pre-revolutionary period -- 19
Ch. V. The Soviet period -- 31
Part 2. Climate of the past
Ch. VI. The climate of the post-glacial period -- 44
Ch. VII. Climate of the northern Black Sea coast in 5th to 6th century BC -- 60
Ch. VIII. Climate of the southern part of the Russian plain in the 9th to 18th century -- 79
Part 3. Modern climate
Ch. IX. Climatological factors -- 95
Ch. X. Some characteristics of the climate -- 158
Ch. XI. Modern fluctuations in the climate of the Ukraine and their connection with general planetary conditions -- 246
Ch. XII. A glance into the future -- 256
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Card 2/3

L 27382-65

ACCESSION NR AM1042764

SUBMITTE^{ED}: 090et63

SUB CODE: AA

NO REF Sov: 210

OTHER: 000

Card 3/3

BUCHINSKIY, I.Ye.

Climatic fluctuations in the Ukraine and the search for the causes
of these fluctuations. Trudy UkrNIGMI no.45:3 18 '64. (MIRA 17:10)

BUCHINSKIY, I.Ye.

Methodology of calculating vertical gradients based on the example
of the Carpathians. Trudy UkrNIGMI no.45: 58-73 '64. (MERA 17:10)

ACCESSION NR: AT4045164

S/2599/64/000/045/0058/0073

AUTHOR: Buchinskiy, I. Ye.

TITLE: Method for computing Vertical gradients, with the Carpathians as an example

SOURCE: Kiyev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy*, no. 45, 1964. Voprosy* klimatologii (Problems of climatology), 58-73

TOPIC TAGS: meteorology, climatology, vertical temperature gradient, vertical precipitation gradient, regional climatology

ABSTRACT: The article is a continuation of investigations begun by the author in the 1940's for the development of a method for computing vertical temperature and precipitation gradients. By applying different computation methods the author evaluates the reliability of the resulting gradients using the example of data for the Carpathians for several months and for a year. The influence of local conditions on the changes in temperature and precipitation is considered in detail. It was found that acceptable values of the vertical temperature gradient can be obtained by the layer analysis method and also by comparison of the observations of pairs of stations for the same period (not less than 5 years), provided the difference in elevation between the latter exceeds 150 m. A lengthening of the series to 13 years ensures agreement of the gradients with values read from a curve constructed by the use of observa-

Card . 1/2

ACCESSION NR: AT4045164

tional data for a long period. Analysis of data for pairs of stations makes it easier to detect temperature inversions. Reliable gradient values can be obtained by combining pairs of stations when the one with the higher elevation is situated in a mountain valley with good air movement and the lower station is on a lowland. Gradients determined from observational data when one is situated on a convex surface and the other on a concave surface do not correspond to the usual patterns because the free atmosphere and the underlying surface exert a different influence on them and they therefore cannot be used. Precipitation gradients can be computed by elevation zones or using correlation curves. Use of the method for pairs of stations does not ensure satisfactory results. The increase in precipitation per 100 meters rise in elevation on the southwestern slope of the Carpathians averages 12% of the annual total, whereas on the northeastern slope the corresponding value is 8%. The corresponding monthly precipitation gradients are 8-15 and 3-7 mm/100 m. Orig. art. has: 2 figures and 11 tables.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skly gidrometeorologicheskiy institut, Kiev (Ukrainian Hydrometeorological Scientific Research Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOV: 004

OTHER: 001

Card 2/2

BUCHINSKIY, I.Ye., kand. geograf. nauk

Tendency of recent climatic fluctuation. Meteor. i gidrol.
no.10:38-42 O '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy
institut.

BUCHINSKIY, I.Ye.

Climatic fluctuations in territories adjacent to the
Ukraine, and solar activity. Geofiz. i astron. no.8:
118-121 '65. (MIRA 19:1)

1. Sovet po izucheniyu proizvoditel'nykh sil UkrSSR.

L 28913-66 EWT(1)/FCC GW
ACC NR: AP6019125

SOURCE CODE: UR/0050/65/000/010/0038/0042

AUTHOR: Buchinskiy, I. Ye. (Candidate of geographical sciences) 22

ORG: Ukrainian Hydrometeorological Scientific Research Institute (Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut) B

TITLE: Trend of the current variation of climate ✓

SOURCE: Meteorologiya i hidrologiya, no. 10, 1965, 38-42

TOPIC TAGS: climatology, practical meteorology, atmospheric temperature, atmospheric precipitation

ABSTRACT: This is a continuation of the many previous studies of the variation of climate by the author (cited in the bibliography of this article). The author demonstrates the complexity of such investigations by use of 5, 20, 30 and more years of observations and different statistical averaging methods; use of the latter gives different pictures of climatic variation. For example, using data for Kiev it is shown that while annual mean temperatures continue to rise, this is not true of all months. A similar statistical study is presented of the change of precipitation during the same period. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 04 / SUBM DATE: 03May65 / ORIG REF: 010

Card 1/1 C6

UDC: 551.583

BUCHINSKIY, N.I.

BUCHINSKIY, N. I.

Bee Culture - Equipment and Supplies

Manufacture of beeswax presses. Pchelovodstvo No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 195~~6~~? Uncr.

L 61041-65 EWT(m)/EWA(1)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) Pf-1
IJP(c) MJW/JD/HM/HW

ACCESSION NR: AP5016016

UR/0125/65/000/006/0016/0019
621.791.856

50
49

AUTHOR: Potap'yevskiy, A. G. (Candidate of technical sciences); Lapchinskiy, V. B.
F. (Engineer); Buchinskiy, V. N. (Engineer)

TITLE: Transfer of electrode metal in pulse-arc welding in argon

SOURCE: Avtomaticheskaya svarka, no. 6, 1965, 16-19

TOPIC TAGS: arc welding, aluminum, aluminum alloy, stainless steel, copper, titanium, argon, high temperature effect, photography

ABSTRACT: Peculiarities of metal-transfer during argon-arc welding were studied for a series of materials in bottom, vertical, and overhead positions. The materials studied by high speed cinematic photography were: pure aluminum AD1, aluminum alloy AMgb, copper, titanium, and both stainless and carbon steels. The study showed that for normal argon-arc welding in a range of subcritical currents, the metal transfer proceeds in large drops with a frequency of 1-5 drops/sec. Photographs of the transfer process are shown for the materials and conditions listed above, under reverse polarity. Characteristic curves for the drop transfer and current change

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L 61841-65

ACCESSION NR: AP5016016

are presented for pulse-arc welding as a function of time. Transfer rate for normal arc welding is about 120-160 mm/sec, as compared to a maximum of 2000 mm/sec for pulse-arc welding. For pulse-arc welding, the energy, and consequently the minimal current for drop transfer of electrode metal increases with rod diameter. The pulse frequency was found to affect the size of the drops as well as the transfer rate. For practical use, 30-100 pulses/sec were adequate. Above 100 pulses/sec the drops do not have time to form; while below 30 pulses/sec, larger drops form, resulting in inferior transfer and seam formation. Orig. art. has: 4 figures, 1 table.

ASSOCIATION: Institut elektrosvarki im. Ye. O. Patona AN UkrSSR (Institute of Electric Welding, AN UkrSSR)

SUBMITTED: 26Dec64

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 000

Card 2/2

ACC NR: AP7004760

SOURCE CODE: UR/0413/67/000/001/0056/0056

INVENTOR: Potap'yevskiy, A. G.; Buchinskiy, V. N.

ORG: none

TITLE: Device for feeding the welding arc. Class 21, No. 189973

SOURCE: Izobreteniya. promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 56

TOPIC TAGS: ~~welding~~, arc welding, pulse welding, ~~welding equipment component~~

ABSTRACT: This Author Certificate introduces a device for feeding the welding arc with pulsed current. It consists of a dc source and an auxiliary rectifier fed from the network through an ignition interrupter, condensator and a pulse transformer. To obtain various forms of current pulses, adjustable active and inductive impedances are connected into the arms of the auxiliary full-wave rectifier. In one variant, the auxiliary rectifier is connected in parallel with the welding arc. In another variant, the auxiliary rectifier is connected in series with the welding arc. In a third variant,

Card 1/2

UDC: 621.314.632:621.791.75

ACC NR: AP7004760

one of the arms of the auxiliary rectifier, set up as a full wave rectifier with a common point, is connected in parallel with the welding arc, and the second arm is connected in series with the welding arc. Orig. art. has: 1 figure. [TD]

SUB CODE: 13,09/ SUBM DATE: 169464/ ATD PRESS: 5117

Card 2/2

L-3501-66 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) MJW/JD/HM
ACCESSION NR: AP5023081 UR/0125/65/000/009/0030/0033 37
621.791.89:669.140 36

AUTHOR: Potap'yevskiy, A. G. (Candidate of technical sciences); Buchinskiy, V. N.
(Engineer)

TITLE: Pulsation-arc welding of Kh18N10T stainless steel

SOURCE: Avtomicheskaya svarka, no. 9, 1965, 30-33

TOPIC TAGS: pulse welding, arc welding, stainless steel, welding electrode

ABSTRACT: The formation of an uniformly fused vertical or overhead weld in the welding of stainless, acid-resistant steels can be best assured by the argon-arc pulsation welding technique based on the use of a consumable electrode, as demonstrated by the results of this investigation. On the basis of tests in a semi-automatic welding machine with a fixed rate of feed of the electrode wire, it is established that Kh18N10T stainless steel with the thickness $\delta = 2-8$ mm can be welded in any spatial position by means of electrodes of 1.2-2.0 mm diameter. The welding rate based on this technique is, for vertical and overhead welds, 2.5-3.5 times as high as the rate of manual arc welding with a tungsten electrode, and it

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L 3501-66

ACCESSION NR: AP5023081

involves a lower consumption of argon and lower deformation of the weldment, and this technique is easily mastered by welders. Moreover, the properties of the welded joints produced by this method are the same as those of the joints produced by conventional argon-arc welding with a consumable electrode. Orig. art. has: 4 figures, 2 tables.

ASSOCIATION: Institut ~~electrosvarki~~ im. Ye.O.Patona AN UkrSSR (Electric Welding Institute, AN UkrSSR)

SUBMITTED: 08Jan65

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 005

OTHER: 000

Card 2/2 DP

BUCHINSKIY, V.V.; FOMINYKH, I.P.

Increasing the stability of crucibles in melting and distributing furnaces
in die casting foundry shops. Lit.proizv. no.4:44-45 Ap '63.

(Crucibles)

(Die casting)

(MIRA 16:4)

L 9633-66 ENT(m)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) LJP(c) MJW/JD/WB

ACC NR: AP5027711

SOURCE CODE: UR/0129/65/000/011/0039/0040

AUTHOR: Buchinskij, V. V.

44,53

ORG: none

TITLE: Low-temperature carbonitriding of steels for metal dies

44,53,1

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 11, 1965, 39-40

TOPIC TAGS: carbonitriding, die, low temperature coating, case hardening, corrosion, aluminum alloy

ABSTRACT: Owing to the high heating temperature of the working surface of the die and the high unit pressures exerted on its walls during the press-fitting of aluminum alloys, corrosion and diffusion processes arise. This causes the die surface to get sharply saturated by elements of the casting metal and to stick to this metal or even become welded with it. One of the techniques of preventing this process is the low-temperature carbonitriding which serves to coat the die surface with a hard corrosion-resistant case. The author describes the pertinent experiments with carbonitriding in an atmosphere of the products of decomposition of ammonia and kerosene at 520, 540, 560 and 600°C for 3, 6, 9 and 12 hr. To accelerate the carbonitriding, the furnace retort was lined with aluminum chips. The thickness of the ε-phase forming as a result of the diffusion of N₂ and C into steel is 2-10 μ depending on the

Cord 1/2

UDC: 621.765.666:669.14.018.25

49
45
B

BUCHINSKIY, Vasiliy Yevstaf'yevich; ZAMORSKIY, A.D., prof., doktor geogr.
nauk, otv.red.; YASHNOGORODSKAYA, M.M., red.; HRATINA, M.I.,
tekhn.red.

[Glazed frost and its control] Gololed i bor'ba s nim. Leningrad,
Giprometeor.izd-vo, 1960. 191 p. (MIRA 14:1)
(Ice)

1963-66
ACI-NP-AP5027711

ture and time of the carbonitriding. An ϵ -phase of suc-
cessive carbo-nitridings was carried out in two stages: a) heating
in 0.10% oil at 560-570°C, excess ammonia at 560-570°C, excess
nitrogen 25-30 drops per min; b) heating at 560-570°C, excess
ammonia 45-50 drops per min, ammonia 45-50 (according to
the literature) times 80 min. After heating, the surface is rotated
several times in succession to remove the scale. Following carbo-nitriding,
the surface of Al into die material during hardening
and non-carbonitrided and nitrided, if, though
disintegrated, produces a hard coat.
The nitridation of nitrides and nitrides of nitrogen
is also carried out in two stages: a) heating in 0.10% oil
at 560-570°C, excess ammonia at 560-570°C, excess
nitrogen 25-30 drops per min; b) heating at 560-570°C, excess
ammonia 45-50 drops per min, ammonia 45-50 (according to
the literature) times 80 min. After heating, the surface is rotated
several times in succession to remove the scale. Following carbo-nitriding,
the surface of Al into die material during hardening
and non-carbonitrided and nitrided, if, though
disintegrated, produces a hard coat.

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Passor, ready
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BUCHINSKIY, Vasiliy Yevstaf'yevich; ZAMORSKIY, A.D., professor, redaktor;
YASNOGORODSKAYA, M.N., redaktor; BRAYNINA, M.I., tekhnicheskiy
redaktor.

[Atlas of ice formations on electric conductors] Atlas obledeneniia
provodov. Pod red. A.D.Zamorskogo. Leningrad. Gidrometeorologicheskoe
izd-vo, 1955. 21 p. 55 plates. (MLRA 8:11)
(Ice) (Electric conductors)

KHISHCHUK, A.A.; BUCHINSKIY, Yu.L.; ROGACHEV, Ye.N.; VORONIN, V.A.;
KIL'CHITSKIY, N.G.; LISIKONOG, N.G.; CHEVKOV, L.V., red.
izd-va; OVSEYENKO, V.G., tekhn. red.

[Practice of constructing headframes] Opyt stroitel'stva
bashennyykh koprov. Moskva, Gosgortekhizdat, 1963. 82 p.
(MIRA 16:4)

(Mine buildings)

BUCHKIN, A.

BUCHKIN, A.

["Formoplast" in construction]. Formoplast v stroitel'nom dale
[Moskva] Moskovskii rabochii, 1953. 23 p. (MLRA 6:12)
(Plastics) (Building materials)

BUCHKIN, Boris Alekseyevich; DOLGOPYATOV, Yu.A., red.; ZVEREV, N.V.,
spetsredaktor; MAGIBIN, P.A., tekhn.red.

[Kazakhstan is a republic of large-scale state farm production]
Kazakhstan-respublika krupnogo sovkhoznogo proizvodstva. Alma-Ata,
Kazakhskoe gos.izd-vo, 1956. 129 p. (MIRA 10:12)
(Kazakhstan--State farms)

BOGACHEVSKIY, Mikhail Borisovich, prof., doktor ekonom.nauk; BYKOV,
Artemiy Konstantinovich, dotsent, kand.ekonom.nauk; DNEPROVSKIY,
Stepan Petrovich, prof.; YAMPOL'SKIY, Moisey Markovich, kand.
ekonom.nauk; BUCHKIN, B.I., red.; BILENKO, L.S., red.izd-va;
FOMICHEV, P.M., tekhn.red.

[Financing and crediting of the consumers' cooperative societies
of the U.S.S.R.] Finansirovanie i kreditovanie potrebitel'skoi
kooperatsii SSSR; uchebnik dlia vusov. Moskva, Izd-vo TSentro-
soiuza, 1959. 465 p. (MIRA 13:4)
(Cooperative societies--Finance)

DERING, A.B., *glav. red.*; TUROV, M.G., *zam. glav. red.*; BERZON,
E.M., *red.*; BUCHKIN, N.A., *red.*; KOZLOV, V.K., *red.*;
NAYMARK, I.I., *red.*; NIKOLAEV, K.N., *red.*; SUSHCHEV,
N.N., *red.*; TERESHCHENKO, Ye.I., *red.*; YUNMEYSTER, A.B.,
red.; PUL'KINA, Ye.A., *otv. za vyp.*

[Reports on the technical level of the manufacture of
reinforced concrete products] Sbornik dokladov ob urovne
tekhniki proizvodstva zhelezobetonykh izdelii; informa-
tionsnyi material. Leningrad, Otdel tekhn. informatsii.
No.3. 1959. 81 p. (MIRA 16:11)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy in-
stitut po mashinam dlya promyshlennosti stroitel'nykh
materialov.

(Reinforced concrete products)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6

BUCHKIN, P., masluzhenny deyatel' iskusstv RSFSR, prof. zhivopisi (Leningrad)

A gift from the Hermitage Museum. Mest.prom.i khud. promys. 3 no.1:35
Ja '63. (MIRA 16:2)

(Kholui—Galleries and museums)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307220001-6"

BUCHKIN, P.D., inzh.

In the V.I. Lenin Machinery Plant on the Neva.
Energomashinostroenie 9 no.3:45 Mr'63.

(MIRA 17:5)

KARLINSKIY, L.Ye.; BUCHKINA, Z.A.

Use of the phenol complex of boron fluoride for the production of
coumaron-indene resins. Koks i khim. no.9:47-51 '63.

(MIRA 16:9)

1. Vostochnyy uglekhimicheskiy institut.
(Coumarone-indene resins) (Boron compounds)
(Phenols)

L 29939-66 EWP(j)/EWT(m)/T/EWP(v)
ACC NR: AR6008642

IJP(c) RM/WW

SOURCE CODE: UR/0081/65/000/017/S088/S088

AUTHOR: Karlinskiy, L. Ye.; Chayskiy, V. Ya.; Buchkina, Z. A.;
Yudin, V. I.; Tartakovskaya, R. S.; Loskutnikova, T. G.

TITLE: Research on the possibility of using resin obtained from
certain products of crude benzene processing in rubber mixtures¹⁵

SOURCE: Ref. zh. Khimiya, Abs. 17S534

REF SOURCE: Sb. Khim. produkty koksovaniya ugley Vost. SSSR. Vyp. 2.
Sverdlovsk, 1964, 30-42

TOPIC TAGS: benzene, resin, petroleum residue, plastisizer, copolymer,
Pyrolysis

ABSTRACT: Dark coumarone resins¹⁶ (DCR), obtained from cube residue
after rectification and cube residue of pyrolysis residue, their copo-
lymers, liquid polymers (LP) and formolites from solvent petroleum can
be used as rubber ingredients. The (LP) and (DCR) from cube residues
of crude benzene rectification have the highest plasticizing properties.
The (LP)'s behavior in mixtures is not inferior to that of dibutyl-
phthalate, except for its frostresistance. The (DCR)'s increase

Card 1/2

L 29939-66

ACC NR.AR6008642

significantly the adhesion and strength characteristics of rubbers
of all types. According to author's conclusion.

SUB CODE: 1107 / SUBM DATE: none

Card 2/2 CC

ACCESSION NR: AR4033713

S/0081/64/000/003/P012/P013

SOURCE: Referativnyy zhurnal. Khimiya, Abs. 3P87

AUTHOR: Karlinskiy, L. Ye.; Buchkina, Z. A.

TITLE: Utilization of pyrolysis tar in the preparation of new types of high quality

CITED SOURCE: Nauchn. tr. Vost. n.-i. uglekhim. In-t, v. 16, no. 1, 1963, 103-117

TOPIC TAGS: pyrolysis tar, coumarone, coumarone resin, polymerization, indene, dye, lacquer

ABSTRACT: The composition of pyrolysis tars from the Orsk and Saratov plants has been investigated. After the polymerization of unsaturated (compounds) with AlCl_3 , the yield of pure products obtained from the first tar was (in %): benzene 19.7, toluene 15.0, xylene 3.8, polymer resin 39.2, still residue 22.3; the yield from the second tar was, respectively: 39.8, 14.2, 1.9, 9.8, 35.0. The polymerization of fractions of pyrolysis tar combined with the coumarone-indene fraction of raw benzene in the presence of a BF_3 -phenol complex yielded light-colored copolymer coumarone resins for the dyestuff-lacquer industry.

Cord 1/1

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BUCHKO, A. [BUCKO, A.], BUDLOVSKIY, I. [BUDLOVSKY, J.]

Studies on nutrition of the population in Slovakia. Vop.pit. 17
no. 4-28-30 Je-Ag '58 (MIRA 11:7)

1. Iz Instituta narodnogo pitaniya v Bratislave, Cheskoslovakija.
(NUTRITION,
in Czech. (Rus))

BUCHKO, Anatoliy Fedorovich; NEYMAN, M.I., red.

[Take care of your heart! Sanatorium and health resort treatment of heart and vascular lesions in chronic diseases of the digestive organs] Beregite serdtse!
Sanatorno-kurortnoe lechenie porazhenii serdtsa i sosudov pri khronicheskikh zabolеваниях organov pishchevareniiia. Moskva, Meditsina, 1965. 46 p. (MIRA 18:2)

BUCHKO, E.

J. of the Inst. of Steel
Inst. V-176 3.6.1954
Production of Steel

Slag and the Refining of steel in the Open-Hearth Process
III - Sulphur. E. BUCHKO. (Prace Instytutu Ministerstwa
Hutniczego, 1953, 5, (3), 143-153). [In Polish]. It has been
determined by the method of statistical analysis of results
obtained from two steelworks, that the principal factor
affecting the distribution of sulphur between slag and metal
 $N_s = (S)/[S]$ in the basic open-hearth process is the slag
basicity $V_s = \text{CaO}/\text{SiO}_2$. Other factors, such as FeO in the
slag and the carbon and manganese contents of the metal
have a definite but minor influence. N_s will remain below
10 even at a high slag basicity V_s of 3 to 5. Results obtained
using Herasimenko's and Speight's formulae were in agreement
with the author's observations, whilst the formulae of Schenck,
Darken, and Larsen give higher values.—v. a.

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met

DANILOVA, Galina Nikolayevna; FILATKIN, Vladimir Nikolayevich;
CHERNAYA, Roza Grigor'yevna; SHCHERBOV, Mark Gennadiyevich;
Prinimali uchastiye: BUCHKO, N.A.; VAS'KOV, Ye.T., inzh.;
CHICHKOV, N.V., red.; GROMOV, A.S., tekhn. red.

[Collection of problems and calculations on heat transmission]
Sbornik zadach i raschetov po teploperedache. By G.N.Danilova
i dr. Moskva, Gos.izd-vo torg. lit-ry, 1961. 270 p.
(MIRA 15:1)

(Heat transmission)

DANILOVA, G.N.; BUCHKO, N.A.

Method for calculating the temperature field and the mean volume
temperature in the laying of blocks in massive concrete structures.
Inzh.-tekhn. zhurn. 5 no.1:92-95 Ja '62. (MIRA 15:3)

1. Tekhnologicheskiy institut kholodil'noy promyshlennosti,
Leningrad.
(Concrete construction)

DANILOVA, G.N., kand.tekhn.nauk; BUCHKO, N.A., inzh.

Approximation method of determining temperatures of concrete
masonry in dams under construction. Gidr.stroi. 33 no.4:26-29
Ap '63. (MIRA 1454)

(Dams) (Concrete—Thermal properties)

BUCHKO, N.A., inzh.

Investigating the heat exchange during solidification accompanied by convection in the liquid phase. Khol.tekh. 39 no.4:39-43 Jl-Ag '62.
(MIRA 17:2)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti.

BUCHKO, N.A., inzh.

Some characteristics of heat exchange during solidification.
Khol.tekh. 40 no.6:31-34 N-D '63. (MIRA 17:4)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy
promyshlennosti.

BUCHKOV, A.I.

BUCHKOV, A.I.; VOSKRESENSKIY, N.N., inzhener, redaktor; POZMOGOV, Ye.N.,
inzhener, retsenzent; MATVEYEVA, Ye.N., tekhnicheskiy redaktor.

[ST-125 steam power-plant; design, installation and maintenance]
Parosilovaya ustanovka ST-125; konstruktsiya, montazh i ukhod.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954.
95 p. (Steam power-plants) (MLRA 8:1)

~~BUCHKOV, I.~~

SAPOZHNIKOV, M.; BUCHKOV, I.; VYATKIN, O.; D'YAKONOV, Yu.

Television in the U.S.S.R. Radio no.9:3-6 S '57. (MIRA 10:10)

- 1.Nachal'nik Sverdlovskogo radiotsentra (for Sapozhnikov).
- 2.Nachal'nik Leningradskogo televizionnogo tsentra (for Buchkov)
(Television)

Buchkov, I.

AUTHOR: Buchkov, I., Head of the Leningrad TV-Center 107-9-4/53

TITLE: The Oldest National TV-Center (Stareyshiy teletsentr strany)

PERIODICAL: Radio, 1957, # 9, p 4-5 (USSR)

ABSTRACT: Towards the middle of 1957, there were about 300,000 TV-receivers in Leningrad and province. The effective range of the Leningrad TV-Center is approximately 70-80 km. Beyond this range, the reception is possible by means of special antennas and accessory amplifier units, so that the island of Gogland, Vyborg, Lugi, Kamenogorsk, Volkov and other towns, situated at a distance of 120-180 km from Leningrad, can receive the programs of this TV-center. Moreover, TV-programs are transmitted by means of a cable line to the relay station at Novgorod (160 km).

A new TV-center is under construction and will transmit two black-and-white TV-programs for Leningrad and surrounding areas. Provisions are also made for an interurban TV-program exchange.

A 300-meter tower will be erected on a separate platform for transmitting antennas. The video transmitter will have 50 kw for each program and the aural transmitter 25 kw each. This power is obtained by using two transmitters simultaneously. In case one transmitter should fail, the transmission of programs

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will not be interrupted.

The VHF FM broadcasting will be developed, too. Three programs of the same will be transmitted by the new TV-center.

The new Leningrad TV-Center will be put into operation at the end of the sixth Five-Year Plan.

The article contains 1 photo.

AVAILABLE: Library of Congress

Card 2/2

BUCHKOV, Petur; SIMOVA, I.; TABAKOVA, M.

Experience with the treatment of inflammatory form of amphodontosis with novocain-procaine block at a regional stomatologic clinic; a preliminary communication. Stomatologija no.2:81-90 '54. (EHAL 3:?)

1. Iz Otdel terapevtichna stomatologija. Zaveshdashch: Anna Pesheva.
(PERIODONTIUM, diseases,
*ther., penicillin with procaine)
(PENICILLIN, therapeutic use,
*periodontal dis., with procaine)
(PROCAINE, therapeutic use,
*periodontal dis., with penicillin)

BUCHKOY
GERM.
USSR.

Mucopolysaccharides and mucoproteins of the stomach.
S. M. Buchkoj. *Uspekhi Sovremennoi Biol.* 31, 382-75
(1951). *Chem. Zentr.* 1951, II, 2899.—A review.

M. G. Moore